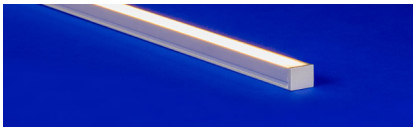
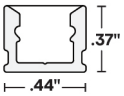
# MICRO 5 ATOM-ENCAPSULATED (03) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed






- MICRO 5 Series linear LED fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- Features high quality LED strips encapsulated in polyurethane in a rigid extrusion providing a robust fixture
- Encapsulation available in clear or translucent
- Suitable for indoor and outdoor locations
- 60% smaller than ESSENTIALS-TORQ
- Delivers equivalent efficacy as standard size fixtures
- Ideal for surface mounted or recessed installations that call for low-profile light in small areas
- Features a stainless steel mounting clip, making installation and repositioning effortless
- Used in applications to provide warmer CCTs as the light is dimmed
- When using DALI and DMX power supplies, LED wattage must be doubled

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

| 1 PRODUCT | 2 WATTS/ FT | 3 CCT | 4 RATED | 5 LENS | 6 EXTERNAL LOUVER |
|---|---|---|---|---|---|
| | 2.0 | | ENC | TL | |

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

| 7 WIRE INPUT/ OUTPUT | 8 CONNECTOR/ WIRE IN | 9 CONNECTOR/ WIRE OUT | 10 WIRE COLOR | 11 WIRE TYPE | 12 MOUNTING | 13 FINISH | 14 LENGTH (IN) | 15 EXACT/ OPTIMAL |
|---|---|---|---|---|---|---|---|---|
| | | | | | SST | | | |

Sample Part Number: **ATOM-03-DW-2.0-24/30-ENC-TL-S1-BW-CLS-WH-CL2-SST-ST-48"-E**

## 1 PRODUCT

**ATOM-03-DW**
**ATOM-03-DW-USA**

Select USA option for BAA and BABA projects.

LED engine is built with 3 wires requiring 0-10V, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See following pages for compatible power supplies.

## 2 WATTS/FT

**2.0** 2.0W/ft

## 3 CCT

**22/30** 2200K/3000K
**22/35** 2200K/3500K
**24/30** 2400K/3000K
**24/40** 2400K/4000K
**27/40** 2700K/4000K

## 4 RATED

**ENC** IP67

## 5 LENS

**TL** Translucent

For representation of LED visibility, see Diode Visibility section on following pages.
For beam angles, see Photometric Performance section on following pages

## 6 EXTERNAL LOUVER

## 7 WIRE INPUT/OUTPUT

**SINGLE (Input only)**
**S1** End Feed
**S2** Bottom Feed
**S3** Left Side Feed
**S4** Right Side Feed

For continuous mounting, consider bottom feed.

**PASS THROUGH (Input/output)**
**P1** End Feed
**P2** Bottom Feed
**P3** Left Side Feed
**P4** Right Side Feed

For continuous mounting, consider bottom feed.

## 8 CONNECTOR/WIRE IN

**BW** Bare Wire (Standard 24")
**CON6** Connector 6"
**CON24** Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

**BW** Bare Wire (Standard 24")
**CON6** Connector 6"
**CON24** Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

## 9 CONNECTOR/WIRE OUT

**CLS** Closed End (No feed)

**BW** Bare Wire (Standard 24")
**CON6** Connector 6"
**CON24** Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

## 10 WIRE COLOR

**WH** White
**BK** Black

## 11 WIRE TYPE

**CL2** Class 2
**CL2P** Plenum Rated

CL2P only available with bare wire leads (BW)

## 12 MOUNTING

**SST** Stainless Steel

## 13 FINISH

**ST** Satin
**BK** Black
**CU** Custom

Custom finishes require a longer lead time, consult factory

## 14 LENGTH (IN)

Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".

## 15 EXACT/OPTIMAL

**E** Exact specified length
**O** Optimal illumination

5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance

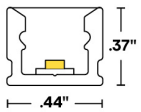
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Specification subject to change. Rev-06-01-26

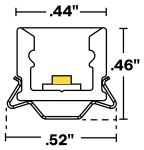
# MICRO 5 ATOM-ENCAPSULATED (03) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## 1 PRODUCT - DIMENSIONS




Profile




Profile with stainless steel mounting clip

## 2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with ATOM-03-DW-2.0-**-ENC

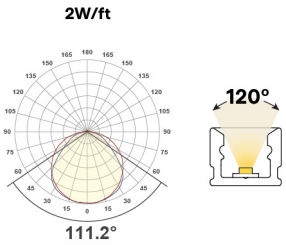
| | 2400K | | 2700K | | 3000K | | 4000K | |
|---|---|---|---|---|---|---|---|---|
| | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI |
| TL | 79 | 93 | 86 | 93 | 83 | 95 | 91 | 97 |

## 5 DIODE VISIBILITY

ENC/TL - Translucent encapsulation

## PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.




ENC/CL at 3000K

## TEMPERATURE RATINGS

| | DW 2.0 W/FT | | DW 4.0 W/FT | |
|---|---|---|---|---|
| | QTL power supply other than DALI, DMX | | DALI, DMX, or non-QTL power supply | |
| | Min | Max | Min | Max |
| Ambient Operating Temp - Surface | -4°F | 135°F | -4°F | 115°F |

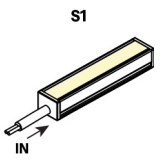
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# MICRO 5 ATOM-ENCAPSULATED (03) FOR WARM DIM APPLICATIONS

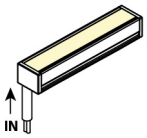
24VDC Linear Fixtures - Surface & Recessed

## 7 WIRE INPUT/OUTPUT

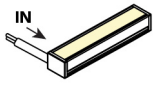
SINGLE (Input only)



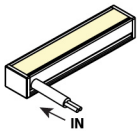

End Feed




Bottom Feed

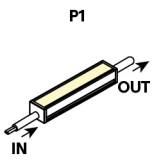



Side Feed - Left

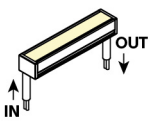



Side Feed - Right

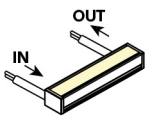
PASS THROUGH (Input/Output)



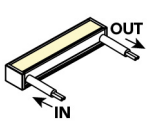

End Feed




Bottom Feed

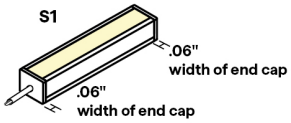



Side Feed - Left

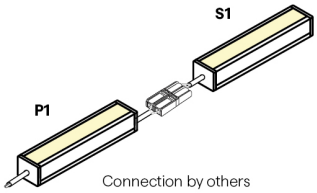



Side Feed - Right

## CONFIGURATION OPTIONS

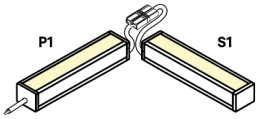



Single End Feed



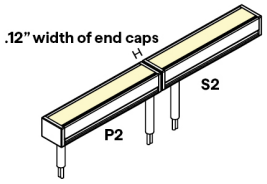

Connection by others

Non-Continuous End Feed

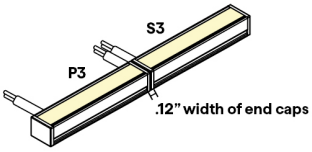



Connection by others

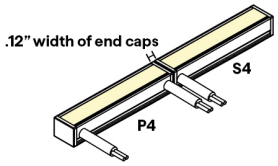
Non-Continuous End Feed



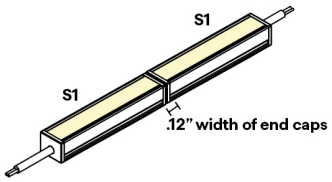

Continuous Bottom Feed




Continuous Side Feed - Left



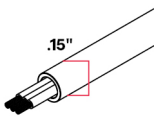

Continuous Side Feed - Right



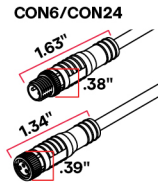

Continuous End to End Feed

## 8/9 CONNECTOR/WIRE – IN/OUT

Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out

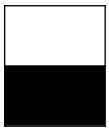



Bare Wire 24"
22 AWG




6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

## 10 WIRE COLOR



White

Black

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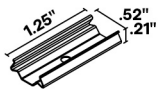
Specification subject to change. Rev-06-01-26

# MICRO 5 ATOM-ENCAPSULATED (03) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

## 12 MOUNTING

**SST**




Stainless Steel Clip

2 pieces of hardware provided for 4' or less; 4 pieces provided for greater than 4'

To order separately use SST-08

Each clip comes with a #4 x 5/8" Flat Head SS

## 13 FINISH

Satin

Black

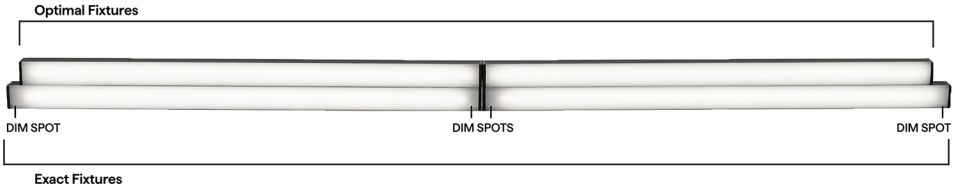
Custom finishes require a longer lead time, consult factory

## 15 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator →

E/O Explained →

Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.



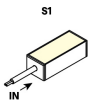

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# MICRO 5 ATOM-ENCAPSULATED (03) FOR WARM DIM APPLICATIONS

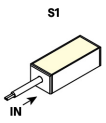
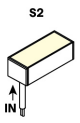
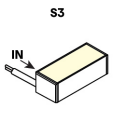
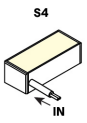
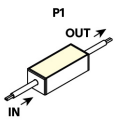
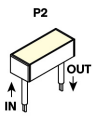
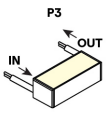
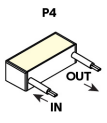
24VDC Linear Fixtures - Surface & Recessed

## DW ENC LENGTHS BY INCH

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture |
|---|---|
| |  End Feed |
| 12" | 1" |
| 13" | 0.5" |
| 14" | 1" |
| 15" | 0.5" |
| 16" | 1" |
| 17" | 0.5" |
| 18" | 1" |
| 19" | 0.5" |
| 20" | 1" |
| 21" | 0.5" |
| 22" | 1" |
| 23" | 0.5" |
| 24" | 1" |
| 36" | 1" |
| 48" | 1" |
| 60" | 1" |
| 72" | 1" |
| 84" | 1" |
| 96" | 1" |

### OPTIMAL LENGTH

| Requested Nominal Length | S1 & S2 & S3 & S4 | | | | P1 & P2 & P3 & P4 | | | |
|---|---|---|---|---|---|---|---|---|
| |  End Feed |  Bottom Feed |  Side Feed - Left |  Side Feed - Right |  End Feed |  Bottom Feed |  Side Feed - Left |  Side Feed - Right |
| 12" | 10.48" | | | | 10.83" | | | |
| 13" | 12.48" | | | | 12.83" | | | |
| 14" | 12.48" | | | | 12.83" | | | |
| 15" | 14.48" | | | | 14.83" | | | |
| 16" | 14.48" | | | | 14.83" | | | |
| 17" | 16.48" | | | | 16.83" | | | |
| 18" | 16.48" | | | | 16.83" | | | |
| 19" | 18.48" | | | | 18.83" | | | |
| 20" | 18.48" | | | | 18.83" | | | |
| 21" | 20.48" | | | | 20.83" | | | |
| 22" | 20.48" | | | | 20.83" | | | |
| 23" | 22.48" | | | | 22.83" | | | |
| 24" | 22.48" | | | | 22.83" | | | |
| 36" | 34.48" | | | | 34.83" | | | |
| 48" | 46.48" | | | | 46.83" | | | |
| 60" | 58.48" | | | | 58.83" | | | |
| 72" | 70.48" | | | | 70.83" | | | |
| 84" | 82.48" | | | | 82.83" | | | |
| 96" | 94.48" | | | | 94.83" | | | |

## COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

| DIM TO LEVEL | INDOOR | OUTDOOR |
|---|---|---|
| | MICRO 5-DW Warm Dim Applications | MICRO 5-DW Warm Dim Applications |
| 0.1% | QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DALI-DT8-AWN<br>QT-CAB-eLED+WD<br>QT-CAB-eLED+WD-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+WD<br>QTM-eLED+WD-AWN<br>QZ-DMX<br>QZ-DW | Q-SET-QZ-DW<br>QOM-eLED+DALI-DT6<br>QOM-eLED+DALI-DT6-PS<br>QOM-eLED+DALI-DT8<br>QOM-eLED+DALI-DT8-PS<br>QOM-eLED+WD<br>QZ-DMX<br>QZ-DW |
| 1% | QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8<br>QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with WD App Dongle | |

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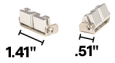
# MICRO 5 ATOM-ENCAPSULATED (03) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

| DIMMING PROTOCOL | INDOOR | OUTDOOR |
|---|---|---|
| | **MICRO 5-DW Warm Dim Applications** | **MICRO 5-DW Warm Dim Applications** |
| **Phase** | QZ-DW | Q-SET-QZ-DW<br>QZ-DW |
| **0-10V** | QT-CAB-eLED+WD<br>QT-CAB-eLED+WD-AWN<br>QTM-eLED+WD<br>QTM-eLED+WD-AWN<br>QZ-DW | Q-SET-QZ-DW<br>QOM-eLED+WD<br>QZ-DW |
| **Lutron Athena** | QT-CAB-eLED+DALI-DT8-AWN<br>QT-CAB-eLED+WD-AWN<br>QTM-eLED+DALI-DT8-AWN<br>QTM-eLED+WD-AWN | |
| **DMX**<br>LED wattage must be doubled for DW-HE products | QZ-DMX | QZ-DMX |
| **DALI-2: DT6**<br>LED wattage must be doubled for DW-HE products except for AWN | QT-CAB-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6 | QOM-eLED+DALI-DT6 |
| **DALI-2: DT8**<br>LED wattage must be doubled for DW-HE products except for AWN | QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DALI-DT8-AWN<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8-AWN<br>QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8<br>QOM-eLED+DALI-DT8<br>QZ-DALI-DT8 |
| **SCENE App Dimmed** | Non-Dim Power Supply with WD App Dongle | |

## COMPATIBLE MOUNTING ACCESSORIES

**HINGE - HMB-S**




Adjustable mounting bracket - Small

**QUOVA-MICRO**



QUOVA Knife Edge

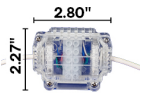
**VHB**



Double sided mounting tape

## COMPATIBLE WIRING ACCESSORIES

**Q-mini-J5**




UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

## COMPATIBLE CONTROL ACCESSORIES

**SCENE APP DONGLE**




Wi-Fi or Bluetooth Connectivity

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## COMPATIBLE APPS

**NFC APP**




Read and write DMX addresses and adjust voltage

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